



44

SEQUENCE LISTING

<110> Sharp, David J.  
Rogers, Gregory C.  
Scholey, Jonathon M.

<120> PEPTIDE INHIBITORS OF CELLULAR  
PROLIFERATION

<130> UC069.001A

<140> 09/782,816  
<141> 2001-02-14

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<223> Xaa = Val or Leu

<223> Peptide sequence

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Val Gln Glu Leu Thr Thr  
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<223> Peptide sequence

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Thr Pro Gln Gln Lys Tyr Gln Arg Leu Leu His Glu Val Gln Glu Leu  
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Pro Gln Gln Lys Tyr Gln Arg Leu Leu His Glu Val Gln Glu Leu Thr  
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<210> 9  
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<220>  
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Gln Arg Leu Leu His Glu Val Gln Glu Leu Thr Thr  
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Leu Leu His Glu Val Gln Glu Leu Thr Thr  
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Leu His Glu Val Gln Glu Leu Thr Thr  
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<223> Peptide sequence

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Val Gln Glu Leu Thr Thr  
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<223> Peptide sequence

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<223> Peptide sequence

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<223> Peptide sequence

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<223> Peptide sequence

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Met Asn Glu Leu Leu Asn  
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<210> 27  
<211> 21  
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<223> Peptide sequence

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Glu Lys Glu Thr Pro Val Gln Lys Cys Gln Arg Leu Gln Ile Glu Met  
1 5 10 15  
Asn Glu Leu Leu Asn  
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<210> 28  
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<223> Peptide sequence

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Glu Leu Leu Asn  
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<223> Peptide sequence

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Glu Thr Pro Val Gln Lys Cys Gln Arg Leu Gln Ile Glu Met Asn Glu  
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Leu Leu Asn

<210> 30  
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Leu Asn

<210> 31  
<211> 17  
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<213> Unknown

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<223> Peptide sequence

<400> 31

Pro Val Gln Lys Cys Gln Arg Leu Gln Ile Glu Met Asn Glu Leu Leu  
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Asn

<210> 32

<211> 16

<212> PRT

<213> Unknown

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<223> Peptide sequence

<400> 32

Val Gln Lys Cys Gln Arg Leu Gln Ile Glu Met Asn Glu Leu Leu Asn  
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<210> 33

<211> 15

<212> PRT

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<223> Peptide sequence

<400> 33

Gln Lys Cys Gln Arg Leu Gln Ile Glu Met Asn Glu Leu Leu Asn  
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<210> 34

<211> 14

<212> PRT

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<220>

<223> Peptide sequence

<400> 34

Lys Cys Gln Arg Leu Gln Ile Glu Met Asn Glu Leu Leu Asn  
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<211> 13

<212> PRT  
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<400> 35

Cys Gln Arg Leu Gln Ile Glu Met Asn Glu Leu Leu Asn  
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<211> 12

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<400> 36

Gln Arg Leu Gln Ile Glu Met Asn Glu Leu Leu Asn  
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<400> 37

Arg Leu Gln Ile Glu Met Asn Glu Leu Leu Asn  
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Leu Gln Ile Glu Met Asn Glu Leu Leu Asn  
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<400> 39

Gln Ile Glu Met Asn Glu Leu Leu Asn  
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<400> 41

Glu Met Asn Glu Leu Leu Asn  
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<400> 42

Met Asn Glu Leu Leu Asn  
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<210> 43

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<212> PRT

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<223> Peptide sequence

<400> 43

Asn Glu Leu Leu Asn

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Glu Leu Leu Asn

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<211> 9

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<223> Peptide sequence

<400> 45

Val Ala Thr Val Ile Ser Thr Ala Arg

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Val Ala Thr Val Ile Ser Thr Ala

1 5

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<400> 47

Val Ala Thr Val Ile Ser Thr  
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<400> 48

Val Ala Thr Val Ile Ser  
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<400> 49

Val Ala Thr Val Ile  
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Val Ala Thr Val  
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<223> Xaa = Val or Leu

<223> Peptide sequence

<400> 51

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Glu Ser Ala Thr Glu Glu Lys Leu Thr Pro Val Xaa Leu Ala Lys Gln  
35 40 45  
Leu Ala Ala Leu  
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<210> 52

<211> 53  
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<223> Peptide sequence

<400> 52

Gly Glu Lys Glu Thr Pro Val Gln Lys Cys Gln Arg Leu Gln Ile Glu  
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Met Asn Glu Leu Leu Asn Glu Val Ala Ala Leu Gln Val Asp Arg Lys  
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Val Ala Asp Glu Glu Lys Gln Ser Tyr Asp Ala Val Val Ala Thr Val  
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Ile Ser Thr Ala Arg  
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<210> 53

<211> 406  
<212> PRT  
<213> Homo sapiens

<400> 53

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20 25 30  
Phe Asp Ala Phe Ala Gln Glu Leu Glu Glu Leu Thr Ser Thr Ser Val  
35 40 45  
Glu His Ile Ile Val Asn Pro Asn Ala Ala Tyr Asp Lys Phe Lys Asp  
50 55 60  
Lys Arg Val Gly Thr Lys Gly Leu Asp Phe Ser Asp Arg Ile Gly Lys  
65 70 75 80  
Thr Lys Arg Thr Gly Tyr Glu Ser Gly Glu Tyr Glu Met Leu Gly Glu  
85 90 95  
Gly Leu Gly Val Lys Glu Thr Pro Gln Gln Lys Tyr Gln Arg Leu Leu  
100 105 110

His Glu Val Gln Glu Leu Thr Thr Glu Val Glu Lys Ile Lys Thr Thr  
 115 120 125  
 Val Lys Glu Ser Ala Thr Glu Glu Lys Leu Thr Pro Val Leu Leu Ala  
 130 135 140  
 Lys Gln Leu Ala Ala Leu Lys Gln Gln Leu Val Ala Ser His Leu Glu  
 145 150 155 160  
 Lys Leu Leu Gly Pro Asp Ala Ala Ile Asn Leu Thr Asp Pro Asp Gly  
 165 170 175  
 Ala Leu Ala Lys Arg Leu Leu Gln Leu Glu Ala Thr Lys Asn Ser  
 180 185 190  
 Lys Gly Ser Gly Gly Lys Thr Thr Gly Thr Pro Pro Asp Ser Ser  
 195 200 205  
 Leu Val Thr Tyr Glu Leu His Ser Arg Pro Glu Gln Asp Lys Phe Ser  
 210 215 220  
 Gln Ala Ala Lys Val Ala Glu Leu Glu Lys Arg Leu Thr Glu Leu Glu  
 225 230 235 240  
 Thr Ala Val Arg Cys Asp Gln Asp Ala Gln Asn Pro Leu Ser Ala Gly  
 245 250 255  
 Leu Gln Gly Ala Cys Leu Met Glu Thr Val Glu Leu Leu Gln Ala Lys  
 260 265 270  
 Val Ser Ala Leu Asp Leu Ala Val Leu Asp Gln Val Glu Ala Arg Leu  
 275 280 285  
 Gln Ser Val Leu Gly Lys Val Asn Glu Ile Ala Lys His Lys Ala Ser  
 290 295 300  
 Val Glu Asp Ala Asp Thr Gln Ser Lys Val His Gln Leu Tyr Glu Thr  
 305 310 315 320  
 Ile Gln Arg Trp Ser Pro Ile Ala Ser Thr Leu Pro Glu Leu Val Gln  
 325 330 335  
 Arg Leu Val Thr Ile Lys Gln Leu His Glu Gln Ala Met Gln Phe Gly  
 340 345 350  
 Gln Leu Leu Thr His Leu Asp Thr Thr Gln Gln Met Ile Ala Asn Ser  
 355 360 365  
 Leu Lys Asp Asn Thr Thr Leu Leu Thr Gln Val Gln Thr Thr Met Arg  
 370 375 380  
 Glu Asn Leu Ala Thr Val Glu Gly Asn Phe Ala Ser Ile Asp Glu Arg  
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 Met Lys Lys Leu Gly Lys  
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 <211> 183  
 <212> PRT  
 <213> Mouse

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 35 40 45  
 Asn Pro Asn Ala Ala Tyr Asp Lys Phe Lys Asp Lys Arg Val Gly Thr  
 50 55 60  
 Lys Gly Leu Asp Phe Ser Asp Arg Ile Gly Lys Thr Lys Arg Thr Gly  
 65 70 75 80  
 Tyr Glu Ser Gly Asp Tyr Glu Met Leu Gly Glu Gly Leu Gly Val Lys

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Thr Glu Glu Lys Leu Thr Pro Val Val Leu Ala Lys Gln Leu Ala Ala		
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Leu Lys Gln Gln Leu Val Ala Ser His Leu Glu Lys Leu Leu Gly Pro		
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Leu Leu Leu Gln Leu Glu Ala		
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 aacaatttcg ccaagatcat cgcagagatt gaggcagaagc agggaaaccat caccactagc 1020  
 ttggtaaca acaaggagct gctgcattcc gtacaggaga ctttcgcccc gaatctggag 1080  
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 <213> Drosophila melanogaster

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 35 40 45  
 Ser Pro Ser Val Ala His Lys Arg Phe Ser Gly Ala Thr Val Glu Gly  
 50 55 60  
 Ser Val Asp Phe Thr Asp Arg Ile Gly Arg Arg Met Cys Arg Gly Tyr

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Asp Thr Arg Gly Ser Ser Asp Tyr Glu Leu Val Gly Gln Gly Glu Lys			
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Glu Thr Pro Val Gln Lys Cys Gln Arg Leu Gln Ile Glu Met Asn Glu			
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Leu Leu Asn Glu Val Ala Ala Leu Gln Val Asp Arg Lys Val Ala Asp			
115	120	125	
Glu Glu Lys Gln Ser Tyr Asp Ala Val Ala Thr Val Ile Ser Thr Ala			
130	135	140	
Arg Lys Val Leu Glu Ser Leu Lys Leu Glu Gln Val Leu Gly Lys Glu			
145	150	155	160
Gln Thr Pro Gly Ser Lys Gln Val Lys Ala Leu Ile Ser Gln Val Glu			
165	170	175	
Glu Phe Lys Gln Ser Gly Val Leu Thr Ala Ile Pro Thr Pro Gly Thr			
180	185	190	
Asp Leu Ala Ala Thr Ala Arg Val Ala Ser Leu Glu Gln Arg Ile Ser			
195	200	205	
Gln Leu Glu Lys Val Leu Gly Ala Gln Pro Asp Lys Leu Ser Arg Leu			
210	215	220	
Thr Ala Ala Thr Asn Thr Thr Asn Val Leu Glu Ala Val Arg His Leu			
225	230	235	240
Ser Thr Lys Ala Ala Leu Ile Gln Pro Asp Lys Leu Asp Thr Ile Glu			
245	250	255	
Gln Arg Leu Thr Ser Leu Ala Gly Lys Met Asp Ala Ile Ala Glu Lys			
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Ser Ser Gly Ser Ala Gln Asp Ala Lys Arg Asp Gln Lys Ile Thr Glu			
275	280	285	
Leu Tyr Asp Ile Ala Lys Arg Thr Glu Pro Val Val Glu Ile Leu Pro			
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His Val Ile Glu Arg Met Gln Ala Leu Glu Ala Leu His Lys Tyr Ala			
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Ile Thr Thr Ser Leu Val Asn Asn Lys Glu Leu Leu His Ser Val Gln			
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Glu Thr Phe Ala Gln Asn Leu Glu Thr Ile Asn Ser Lys Val Ala Lys			
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Val Glu Gln Arg Val Ala Ala Ile Ser Ser Ala Lys			
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